

Test results with poultry

Significant outperformance of experimental and industrial trials vs. "ideal" industry standard

Age (day)	Ross 308 Standard			VUZV 1				VUZV 2				Industrial 1				Industrial 2			
	Weight	Gain	FCR	Weight	> Ross	Gain	FCR	Weight	> Ross	Gain	FCR	Weight	> Ross	Gain	FCR	Weight	> Cobb	Gain	FCR
0	42	-		49	17 %	-		44	5 %	-		48	14 %	-		47	12 %	-	
1	56	14	0.24	57	2 %	8		57	2 %	13		58	4 %	10		54	-4 %	7	
2	72	16	0.42	69	-4 %	12		70	-3 %	13		69	-4 %	11		66	-8 %	13	
3	89	17	0.56	87	-2 %	18		87	-2 %	17		83	-6 %	14		80	-10 %	14	
4	109	20	0.67	110	1 %	23		107	-2 %	20		104	-5 %	20		99	-9 %	19	
5	132	23	0.76	137	4 %	27		134	2 %	27		128	-3 %	24		123	-7 %	25	
6	157	25	0.83	168	7 %	31		162	3 %	28		156	0 %	28		150	-5 %	26	
7	185	28	0.89	211	14 %	43		197	6 %	35		185	0 %	29		179	-3 %	29	1.28
8	217	32	0.94	248	14 %	37		235	8 %	38		218	1 %	33		214	-1 %	35	
9	251	34	0.98	293	17 %	45		280	12 %	45		254	1 %	36	0,932	260	4 %	46	
10	289	38	1.02	340	18 %	47		331	15 %	51		288	0 %	33	0,946	303	5 %	43	
11	330	41	1.05	394	19 %	54		380	15 %	49		335	1 %	47	1,034	348	6 %	45	
12	375	45	1.08	450	20 %	56		434	16 %	54		379	1 %	45	1,095	386	3 %	37	
13	422	47	1.11	508	20 %	58		490	16 %	56	1.21	428	1 %	49	1,154	410	-3 %	25	
14	473	51	1.14	572	21 %	64		556	18 %	66		484	2 %	56	1,260	473	0 %	62	1.25
15	527	54	1.16	643	22 %	71		624	18 %	68		550	4 %	67	1,297	545	3 %	72	
16	585	58	1.18	712	22 %	69		701	20 %	77		614	5 %	64	1,316	604	3 %	59	
17	645	60	1.21	792	23 %	80		783	21 %	82		689	7 %	75	1,338	650	1 %	47	
18	709	64	1.23	877	24 %	85		863	22 %	80		762	7 %	73	1,359	727	2 %	76	
19	775	66	1.25	970	25 %	93		936	21 %	73		834	8 %	72	1,364	820	6 %	94	
20	844	69	1.27	1,069	27 %	99		1,029	22 %	93		909	8 %	75	1,394	906	7 %	85	
21	916	72	1.29	1,160	27 %	91		1,103	20 %	74		985	7 %	75	1,399	993	8 %	88	1.35
22	990	74	1.31	1,266	28 %	106		1,197	21 %	94		1075	9 %	91	1,386	1090	10 %	97	
23	1,066	76	1.33	1,357	27 %	91		1,303	22 %	106		1133	6 %	58	1,432	1177	10 %	87	
24	1,145	79	1.35	1,461	28 %	104		1,421	24 %	118		1253	9 %	119	1,401	1300	14 %	123	
25	1,226	81	1.37	1,587	29 %	126		1,536	25 %	115		1350	10 %	98	1,398	1388	13 %	88	
26	1,309	83	1.39	1,664	27 %	77		1,633	25 %	97		1460	12 %	110	1,438	1465	12 %	77	
27	1,393	84	1.41	1,786	28 %	122		1,738	25 %	105		1568	13 %	107	1,436	1559	12 %	93	
28	1,479	86	1.43	1,903	29 %	117		1,860	26 %	122	1.37	1684	14 %	116	1,427	1644	11 %	85	1.48
29	1,567	88	1.46	2,013	28 %	110		1,941	24 %	81		1810	16 %	127	1,414	1741	11 %	97	
30	1,656	89	1.48	2,113	28 %	100		2,016	22 %	75		1933	17 %	122	1,408	1855	12 %	114	
31	1,746	90	1.50	2,197	26 %	84		2,111	21 %	95		2051	17 %	118	1,407	1936	11 %	81	
32	1,836	90	1.52	2,335	27 %	138		2,190	19 %	79		2155	17 %	104	1,411	2034	11 %	98	
33	1,928	92	1.54	2,435	26 %	100		2,289	19 %	99						2133	11 %	99	
34	2,020	92	1.56	2,542	26 %	107		2,372	17 %	83						2240	11 %	106	
35	2,113	93	1.58	2,601	23 %	59	1.43	2,435	15 %	63						2297	9 %	57	1.68
Mortality rate	3.00 %			2.78 %				1.65 %				3,28 %				4.13 %			
PEF	372			498				486				462				391			

Ross 308 standards illustrating "ideal" performance assuming strict management standards

VUZV 1 + 2 conducted as industrial simulations for the optimization of KIEG CS1

VUZV 1: Goal = 35 days; Standard feed

VUZV 2: Goal = 1.8 kg; Economic feed (lower energy content feed)

Industrial tests carried out on a farm with approx. 25,000 heads to a hall using both Ross 308 and Cobb 500 breeds

No antibiotics or vitamin supplements were provided throughout the trials

Average PEF in the US: 329